

METHODS, SYSTEMS, AND DATA STRUCTURES FOR PERFORMING
SEARCHES ON THREE DIMENSIONAL OBJECTS

ABSTRACT

Techniques are provided for searching on three dimensional (3D) objects across large, distributed repositories of 3D models. 3D shapes are created for input to a search system; optionally user-defined similarity criterion is used, and search results are
5 interactively navigated and feedback received for modifying the accuracy of the search results. Search input can also be given by picking 3D models from a cluster map or by providing the orthographic views for the 3D model. Feedback can be given by a searcher as to which models are similar and which are not. Various techniques adjust the search results according to the feedback given by the searcher and present the new search results
10 to the searcher.